

## CLAIMS

1. A device for delivery of a stent for the vessel comprising:
  - a catheter for insertion into the vessel of a living body;
  - a balloon mounted on an outer peripheral surface of the distal end side of said catheter and inflatable with a fluid supplied to said catheter;
  - a stent for the vessel mounted on said balloon in a diameter-contracted state, said stent being formed of a biodegradable polymer and having self-expanding properties; and
  - a stent holding member formed of a polymer material to a tube form for holding said stent for the vessel on said balloon, and configured for covering at least a portion of said stent for the vessel from said catheter;
  - said stent holding member having been drawn in the longitudinal direction and being provided with a tearing assisting portion at a distal end thereof located towards the distal end of said catheter.
2. The device for delivery of a stent for the vessel according to claim 1, wherein said tearing assisting portion is a slit provided to the distal end side of said stent holding member.
3. The device for delivery of a stent for the vessel according to claim 1, wherein the distal end of said tearing assisting portion is closed by a connecting portion.
4. The device for delivery of a stent for the vessel according to claim 1, wherein said tearing assisting portion is a slit formed for extending along the drawing direction of

said stent holding member.

5. The device for delivery of a stent for the vessel according to claim 1, wherein said stent holding member is formed of PTFE (polytetrafluoroethylene).

6. The device for delivery of a stent for the vessel according to claim 1, wherein the proximal side of said stent holding member, located on said catheter, is secured to said catheter.

7. The device for delivery of a stent for the vessel according to claim 6, wherein an air-vent through-hole is bored in the proximal side of said stent holding member secured to said catheter.

8. The device for delivery of a stent for the vessel according to claim 1, wherein said stent holding member covers up the entire length of said stent for the vessel.

9. The device for delivery of a stent for the vessel according to claim 8, wherein the distal end of said stent holding member, provided with said tearing assisting portion, is contracted in diameter so as to be tightly contacted with said balloon.

10. The device for delivery of a stent for the vessel according to claim 1, wherein said stent holding member is connected to a yarn passed through said catheter so as to be pulled out partway from said catheter, and wherein said stent holding member may be released from the stent for the vessel by pulling said yarn outward from said catheter.

11. The device for delivery of a stent for the vessel according to claim 1, wherein said stent for the vessel is formed of a yarn of a biodegradable polymer to a tube form.

